REMARKS

The present Amendment cancels claims 1-3 and adds new claims 4-9. Therefore, the present application has pending claims 4-9.

35 U.S.C. §103 Rejections

Claim 1 stands rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent Application Publication No. 2004/0109414 to Choi et al. ("Choi") in view of U.S. Patent Application Publication No. 2002/0036983 to Widegren et al. ("Widegren"). As previously indicated, claim 1 was canceled. Therefore this rejection regarding claim 1 is rendered moot.

Claims 2 and 3 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Choi in view of Widegren, further in view of U.S. Patent Application Publication No. 2002/0041590 to Donovan et al. ("Donovan"). As previously indicated, claims 2 and 3 were canceled. Therefore this rejection regarding claims 2 and 3 is rendered moot.

New Claims 4-9

Claims 4-9 were added to more clearly describe features of the present invention. More specifically, claims 4-9 were added to more clearly describe that the present invention is directed to a peer-to-peer communication system as recited, for example, in independent claims 4 and 6.

The present invention, as recited in claim 4, provides a peer-to-peer communication system. The system includes session relay apparatuses, which relay session control messages used for peer-to-peer communication between communication terminals. The system also includes edge nodes, in a network

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coupling the communication terminals, accommodating the communication terminals to the network. Furthermore, the system includes a core node which executes a packet relay process in the network.

According to the present invention, as recited in claim 4, a first session relay apparatus receives a session control message from a first communication terminal and a second session relay apparatus receives a session control message from a second communication terminal.

Also according to the present invention, as recited in claim 4, when the first session relay apparatus receives a session establishment request from the first communication terminal as a communication source: the first session relay apparatus transfers the session establishment request to the second session relay apparatus. In addition, the second session relay apparatus transfers the session establishment request to the second communication terminal. Furthermore, if the second communication terminal is available to communicate, the second communication terminal transfers a message representing that the communication is available, to the second session relay apparatus. Even further, after the second session relay apparatus transfers the message representing that the communication is available, to the first session relay apparatus, the first session relay apparatus generates a packet relay process policy for a peer-to-peer communication packet, distributes the policy to a first edge node accommodating the first communication terminal and causes the first edge node to register the policy and the second session relay apparatus generates a packet relay process policy to the peer-to-peer communication packet, distributes the policy to a second edge node accommodating the second communication terminal and causes the second edge node to register the policy to finish a policy setting process to the edge nodes. Also, the peer-to-peer

communication packet from the first communication terminal is set for priority control

information based on the policy in the first edge node and relayed in the core node in

accordance with the priority control information set by the first edge node and

transmitted to the second communication terminal via the second edge node. The

prior art does not teach or suggest all of these features.

The above described features of the present invention, as now more clearly

recited in the claims, are not taught or suggested by any of the references of record.

Specifically, the features are not taught or suggested by either of Choi, Widegren or

Donovan, whether taken individually or in combination with each other.

For example, neither of Choi, Widegren nor Donovan teaches or suggests

"wherein when the first session relay apparatus receives a session

establishment request from the first communication terminal as a communication

source:

the first session relay apparatus transfers the session establishment request

to the second session relay apparatus;

the second session relay apparatus transfers the session establishment

request to the second communication terminal;

if the second communication terminal is available to communicate,

the second communication terminal transfers a message representing that

the communication is available, to the second session relay apparatus;

after the second session relay apparatus transfers the message representing

that the communication is available, to the first session relay apparatus,

the first session relay apparatus generates a packet relay process policy for a

peer-to-peer communication packet, distributes the policy to a first edge node

accommodating the first communication terminal and causes the first edge node to

register the policy and the second session relay apparatus generates a packet relay process policy to the peer-to-peer communication packet, distributes the policy to a second edge node accommodating the second communication terminal and causes the second edge node to register the policy to finish a policy setting process to the edge nodes; and

the peer-to-peer communication packet from the first communication terminal is set for priority control information based on the policy in the first edge node and relayed in the core node in accordance with the priority control information set by the first edge node and transmitted to the second communication terminal via the second edge node" as recited in claim 4.

The present invention, as recited in claim 6, provides a peer-to-peer communication system. The system includes session relay apparatuses which relay session control messages used for peer-to-peer communication between communication terminals. The system also includes edge nodes, in a network coupling the communication terminals, accommodating the communication terminals to the network. The system further includes a core node which executes a packet relay process in the network.

According to the present invention, as recited in claim 6, a first session relay apparatus receives a session control message from a first communication terminal and a second session relay apparatus receives a session control message from a second communication terminal.

Also according to the present invention, as recited in claim 6, when the first session relay apparatus receives a session establishment request from the first communication terminal as a communication source the first session relay apparatus transfers the session establishment request to the second session reply apparatus.

Furthermore, the second session relay apparatus transfers the session establishment request to the second communication terminal. If the second communication terminal is available to communicate, the second communication terminal transfers a message representing that the communication is available, to the second session relay apparatus. Further, after the second session relay apparatus transfers the message representing that the communication is available, to the first session relay apparatus, the first session relay apparatus generates a packet relay processing policy for a peer-to-peer communication packet, distributes the policy to a first edge node accommodating the first communication terminal and causes the first edge node to register the policy and the second session relay apparatus generates a packet relay process policy to the peer-to-peer communication packet, distributes the policy to a second edge node accommodating the second communication terminal and causes the second edge node to register the policy to finish a policy setting process to the edge nodes. Even further, the peer-to-peer communication packet from the first communication terminal is set for a next relay node based on the policy in the first edge node to select a network to be relayed. The prior art does not disclose all of these features.

For example, neither of Choi, Widegren nor Donovan teaches or suggests

"wherein when the first session relay apparatus receives a session establishment request from the first communication terminal as a communication source:

the first session relay apparatus transfers the session establishment request to the second session reply apparatus;

the second session relay apparatus transfers the session establishment request to the second communication terminal;

if the second communication terminal is available to communicate,

the second communication terminal transfers a message representing that the communication is available, to the second session relay apparatus;

after the second session relay apparatus transfers the message representing that the communication is available, to the first session relay apparatus,

the first session relay apparatus generates a packet relay processing policy for a peer-to-peer communication packet, distributes the policy to a first edge node accommodating the first communication terminal and causes the first edge node to register the policy and the second session relay apparatus generates a packet relay process policy to the peer-to-peer communication packet, distributes the policy to a second edge node accommodating the second communication terminal and causes the second edge node to register the policy to finish a policy setting process to the edge nodes; and

the peer-to-peer communication packet from the first communication terminal is set for a next relay node based on the policy in the first edge node to select a network to be relayed" as recited in claim 6.

Each of Choi, Widegren and Donovan suffer from the same deficiencies, relative to the features of the present invention, as recited in the claims. Therefore, combining the teachings of Choi, Widegren and Donovan does not render obvious the features of the present invention as now more clearly recited in the claims. Accordingly, Applicants submit that claims 4-9 are allowable over the prior art.

The remaining references of record have been studied. Applicants submit that they do not supply any of the deficiencies noted above with respect to claims 4-9.

In view of the foregoing amendments and remarks, Applicants submit that claims 4-9 are in condition for allowance. Accordingly, early allowance of claims 4-9 is respectfully requested.

To the extent necessary, the applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (referencing Attorney Docket No. 500.43229X00).

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.
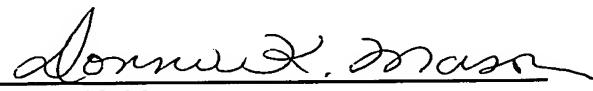
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